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KOREAN, rpt, Haengjong Paekso, 13 Dec 1962,
pp 33-122; 125-426.

*ACSI I-4641
ID 2204015464

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Jun 64

(REV 6577)

(NY-6577)

Ten Years of Harbin Industrial University,
by Li Cheng, 20 pp.

CHINESE, per, ~~Ha-Hsin-Pin Kung-yeh Ta-hsueh~~
~~Hsueh-pen~~, No 3, Sep 1959, pp 5-12.

JPRS 9769

FE - China
Soc
Aug 61

163,093

Problems in the Vibration Theory of Circular
Double Suspension-Cable Structures, by
Fu-Hsiang Ch'en, Ping-wu Ch'en, et al. 12 pp.
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AIR/FTD/HT-23-47-68

sci/physics
mar 69

376,655

(DC-3508/1).

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Defense Chinese People's National Dept, 1957

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Book on Science of Laminaria Culture Prepared,
by Tseng Ch'eng-k'uei, 7 pp.
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1962, 336 pp.
JPRS 49642

Sci-Mech, Ind, Civ & Mar Engr
Jan 70

399,498

The Complex Utilization of Seaweed, UNCL

CHINESE, bk, Hai-Tsao-To-Tsung-Hc, 3189-5678-4104-
4844-0678 Li-Tung, 0448-3939, pp 120-123

319th MI Bn
H-8325
ID 2161142

Sci - Biol
May 61

151,322

OF
THE DEVELOPMENT OF LIMNOLOGY AND HYDROCHEMISTRY
IN CHINA, BY I. V. SAMOILOV, 45 PP.

CHINESE, BK, HAI-YANG YU HU-CHAO, MAY 1958,
PP 153-165.

JPRS 18323

SCI - BIOL - MED SCI

APR 63

225,705

(SF-1600).

Some Problems Concerning Hydrological Investigations
in Shallow Seas, by Ho Ch'ung pen,

CHINESE, per, Hai-yang Yu Hu-chao, No 1, Mar-Oct 1959,

(pp 1-9)

*JPRS

Sci - E Geophys

6 Mar 61

(NY-5508)

A Preliminary Study of the Formation and
Characteristics of the Yellow Sea Cold Water Mass,
by Ho Chung-pen, Wang Yuan-hsing, et al, 9 pp.

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1959, pp 11-14.

JPRS 7299

Sci - Geophys
Mar 61

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(NY-5508)

Classification of Economic Molluscan Fauna in
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CHINESE, per, Hai-yang yu Hu-shao, Vol II, No 1,
1959, pp 27-31.

JPRS 7299

Sci - Geophys
Mar 61

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(NY-5508)

Notes on the Economic Macrurous Crustacean Fauna
of the Yellow Sea and East China Sea, by
Liu Jui-yu, 13 pp.

CHINESE, per, Hai-yang yu Hu-chao, Vol II, No 1,
1959, pp 35-42.

JPRS 7299

Sci - Geophys
Mar 61

142,009

(NY-5508)

On the Economic Marine Algal Flora of the Yellow Sea
and East China Sea, by Tseng Ch'eng-k'uei,
Cheng Chun-fu, 18 pp.

CHINESE, par, Hai-yang yu Hu-chao, Vol II, No 1,
1959, pp 43-52.

JPRS 7299

Sci - Geophys
Mar 61

142,010

(NY-5508)

Questions Concerning Overall Forecast of Tide
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No 3, Jul 1959, pp 111-134.

JPRS 11859

Sci - Geophys

Jan 62

184, 947

(SF-1600)

Calculations of Numerical Value of Sea Currents
Induced by Wind Within a Semi-Enclosed Sea Area,
by Ho En-tien, Yu Fang-hu, Shen Ling-yun, 13 pp.

CHINESE, per, Hai-yang Yu Hu-chao, Vol II, No 3,
Jul 1959, pp 136-144.

JPRS 11659

184, 942

Sci - Geophys

Jan 62

(SF-1600)

(SF-1600)

The Feeding Habits of the Ostrea Rivularis Gould
by Cheng Hsi, Ch'i Chang-yen, ~~XXXXXXXXXXXXXXXXXXXX~~
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CHINESE, par, Hsi-yang Yu Hsi-chao, Vol II,
No 3, Jul 1959, pp 163-178.

JPRS 11367

Sci - Med
Jan 62

178, 179

(SF-1600)

(SF-1600)

On the Regional Division of the Marine Algae
Flora of the Western North Pacific, by
Ts'ung Ch'eng-k'uei, Chang Hsun-fu, 29 pp.

CHINESE, par, Hsi-yang Yu En-chao, No 1,
Oct 1959, pp 244-261.

JPRS 11367

Sci - 1640
Jan 60

178,491

(SF-1600)

On the Regional Division of the Marine Algae
Flora of the Western North Pacific, by
Ts'ung Ch'eng-k'uei, Chang Hsun-fu, 29 pp.

(SF-1500)

Notes on the Economic Fish Fauna of the South
China Sea, by Ch'eng Ch'ing-t'ai, 7 pp.

CEIPESE, per, Hai-yang Yu Hu-chiao, No 4,
Oct 1959, pp 278-282.

JPRS 11367

Sci. - Med.
Jan 62

178,493

A Preliminary Investigation on the Application
of T-S Diagrams for a Quantitative Analysis
of Watermasses in Shallow Water Areas, by
Mao Han-li, Jen Yun-wu, 29 pp.
CHINESE, per, Hai-yang Yu Hu-chao, Peking,
Vol 6, No 1, 1964, pp 1-21.
JPRS 50624

Sci-Ear Sci & Oceanog
Jun 70

Further Investigation on the Form of Wind Wave
Spectrum, by Wang Ping-hsiang, 23 pp.
CHINESE, per, Hai-yang Yu Ha-chiao, Peking,
Vol 6, No 1, Feb 1964, pp 23-37.
JPRS 50564

Sci-Ear Sci & Oceanog
Jun 70

A Review of Research and CDevelopment of
Acoustics of the Sea, by You Fang-hu, 25 pp.
CHINESE, per, Hai-yang Yu Hu-Chao, Vol XI,
No 1, Feb 1964, pp 109-119.
JPRS 26103

Sci - B & M
Aug 64

265,936

One Type of Vertical Distribution of Components
in Tidal Currents of Shallow Seas, by
Ch'en Tsung-yung. 12 pp.
CHINESE, per, Hai-yang Yu Hu-chao, Peking, Vol 6,
No 3, 1964, pp 252-259.
JPRS 50483

Sci-Ear Sci
May 70

Character of Energy Exchange Between Sea and
Atmosphere of North Pacific, by Ch'en En-Chiu,
Chang P'i-yuan, 19 pp.
CHINESE, per, Hai-yang yu hu-chao, Peking, Vol 6,
No 4, Nov 1964, pp 350-363.
JPRS 50675

Sci-Ear Sci
June 70

Advance in Comparative Biochemistry of Marine
Bioluminescence, by Hsueh T'ing-yao, 20 pp.
CHINESE, per, Hai-yang Yu Hu-chao, Peking,
Vol 6, No 4, 1964, pp 423-432.
JPRS 50564

Sci-Ear Sci & Oceanog
Jun 70

Ueda, Ryuzo, Terajima, Takane, and Okuda, Takashi.
POLYMER COMPOSITION OF COMMERCIAL LACTIC
ACID. Rept. 11 [of] Studies on the Utilization of
Fermented Lactic acid. [1963] 7p 11refs
Order from SLA \$1.10 63-18904

Trans. of Hakko Kagaku Zasshi (Japan) 1958, v. 36,
p. 368-371.

DESCRIPTORS: *Lactic acid, *Polymers, Separation,
*Chromatographic analysis, Impurities.

Partition chromatography was conducted according to
R. Montgomery's method (J. Am. Chem. Soc.
74: 1466, 1952), and it was seen that the polymers in
lactic acid water solution could be determined more or
less completely. The polymer composition of edible
grade lactic acid demonstrated 57 ~ 62% monomer,
20 ~ 23% dimer, 4 ~ 7.5% trimer, and trace ~ 7%
tetramer, and total acidity was 87 ~ 93%. The lactic
(Chemistry, TT, v. 10, no. 11) (over)

63-18904

I. Ueda, R.
II. Terajima, T.
III. Okuda, T.
IV. Studies ...

Office of Technical Services

Ueda, Ryuzo and Terajima, Takane.
CHANGES OF LACTIC ACID POLYMERS BY DILU-
TION. Rept. 12 [of] Studies of the Utilization of
Fermented Lactic Acid. [1963] 7p 3refs
Order from SLA \$1.10 63-18905

Trans. of Hakko Kogaku Zasshi (Japan) 1958, v. 36,
p. 371-374.

DESCRIPTORS: *Condiments, Taste, *Lactic acid,
*Polymers, Solutions, Hydrolysis, Chemical equilib-
rium.

Changes of lactic acid polymers when edible grade
lactic acid (87.20%) was diluted to various concentra-
tions with distilled water were examined. When left at
room temperature, at 5% concentration the trimer ex-
isted for at least 30 days and even after 40 days still
a fairly large amount of dimer existed, and equilibrium
(Food, TT, v. 10, no. 12) (over)

63-18905

I. Ueda, R.
II. Terajima, T.
III. Title: Studies . . .

Office of Technical Services

[Chen, Chih-tsung, Tu, Tsung-ming, and
Chen, Lin-tsung].

[STUDIES ON THE GLUTAMIC ACID FERMENTA-
TION]. I. EXAMINATION OF POWERFUL KIND OF
BACTERIA. [1963] 9p. (tables omitted) 11 refs.
Order from SLA \$1.10 63-16189

Trans. of [Hakko Kogaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 295-298].

DESCRIPTORS: *Glutamic acid, *Fermentation,
Bacteria, Biosynthesis, *Micrococcus, *Culture media.

For the purpose of carrying out a basic study on the
manufacture of glutamic acid, the authors collected the
samples from a wide area of farms, paddy fields, and
factories in Taiwan, and tried the isolation of powerful
bacteria therefrom. From among 94 kinds obtained by
the first screening, 16 kinds were selected as being
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16189

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Chen, Lin-tsung
- IV. Title: Examination...

Office of Technical Services

[Chen, Chih-tsung and Chen, Lin-tsung].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. II. COMPOSITION OF THE CULTURE
GROUNDS. 1. ON THE SOURCE OF CARBON. [1963]
7p. (tables omitted) 3 refs.
Order from SLA \$1.10

63-16190

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 298-301].

DESCRIPTORS: *Glutamic acid, *Fermentation,
*Culture media, Biosynthesis, Carbon, Bacteria,
Glucose, *Micrococcus.

As a result of the examination concerning the applica-
bility of several carbon sources on bacteria No. 1942,
it was discovered that glucose and sucrose are good.
As the glucose sources, either the hydrochloric acid
or sulfuric acid, saccharified solutions of cassava
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16190

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Chen, Lin-tsung
- III. Title: Composition...
- IV. Title: On...

Office of Technical Services

[Chen, Chih-tsung and Tu, Tsung-ming].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. III. COMPOSITION OF THE CULTURE
GROUND. 2. ON THE SOURCE OF NITROGEN.
[1963] 6p. (tables omitted) 5 refs.
Order from SLA \$1.10

63-16191

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 301-304].

DESCRIPTORS: *Glutamic acid, *Fermentation,
Bacteria, *Micrococcus, Nitrogen, *Culture media,
Biosynthesis.

As a result of the examination of the applicability of
several kinds of nitrogen sources for bacteria No. 1942,
it was recognized that urea, $(\text{NH}_4)_2\text{SO}_4$ and NH_4Cl are
good. Mixtures of urea and $(\text{NH}_4)_2\text{SO}_4$ or NH_4Cl were
used as the nitrogen sources which might kill the
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16191

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Shen, Wen-kwei].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IV. COMPOSITION OF THE CULTURE GROUND. 3. ON THE PROMOTOR SUBSTANCES.
[1963] 5p. (tables omitted) 4 refs.

Order from SLA \$1.10

63-16192

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37, no. 8, p. 304-307.]

DESCRIPTORS: *Glutamic acid, *Fermentation, Biosynthesis, *Culture media, Bacteria, Micrococcus, Proteins.

Examinations were made concerning the promotor effects of the hydrochloric acid decomposed solutions of the blan cake, peanut cake and casein on the production of glutamic acid by bacteria No. 1942. As a result of these examinations, it was found that the decomposed solution of peanut cake (PCH) is the best. The most
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16192

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
- I. Chen, Chih-tsung
- II. Shen, Wen-kwei
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Chen, Hwan-feng].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. V. COMPOSITION OF THE CULTURE GROUND. 4. ON THE PROMOTOR SUBSTANCES.
[1963] 5p. (tables omitted) 4 refs.
Order from SLA \$1.10

63-16193

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37, no. 8, p. 307-309].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Stimulation, Biosynthesis, *Micrococcus Bacteria, Vitamin B complex.

The promotor effects of biotin in the production of glutamic acid are conspicuous. The most suitable concentration of biotin is in the range between 2 and 3 (gamma) per liter. The use of PCH alongside shows no particular difference from the use of biotin and PCH (Biological Sciences--Microbiology, TT, v. 10, no. 11) (over)

63-16193

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Chen, Hwan-feng
- III. Title: Composition ...
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Shen, Wen-kwei].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. VII. ON THE PRE-CULTURE AND THE AMOUNT OF INJECTIONS. [1963] 5p. (table omitted).
Order from SLA \$1.10 63-16195

Trans. of [Hakko Kagaku Zasshi (Japan)] 1959, v. 37, no. 8, p. 311-313.

DESCRIPTORS: *Glutamic acid, *Fermentation, Biosynthesis, *Culture media, Injection, *Micrococcus, Bacteria.

As a result of a test conducted by using a culture solution consisting of glucose 2.0, urea 0.2, $(\text{NH}_4)_2\text{SO}_4$ 0.2, KH_2PO_4 0.2, $\text{MgSO}_4 \cdot 7\text{aq.}$ 0.04 and FeSO_4 0.01 per cent as the basic culture ground for the pre-culture and adding PCH or biotin as the promotor substance, it was observed that 4 per cent of PCH or (Biological Sciences--Microbiology, TT, v. 10, no. 11).
(over)

63-16195

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tsung
- II. Shen, Wen-kwei
- III. Title: On ...

Office of Technical Services

[Chen, Chih-tung and Chen, Hwan-feng].
[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. VIII. ON THE METHOD FOR THE PRESERVATION OF BACTERIA. [1963] 5p. (tables omitted)
1 ref.

Order from SLA \$1.10

63-16196

Trans. of Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 314-315.

DESCRIPTORS! *Glutamic acid, *Fermentation,
*Culture media, Bacteria, Preservation, *Micrococcus,
Biosynthesis.

As for the isinglass slant cultures for the preservation
of bacteria, those with an addition of 1.0 per cent of
meat extract, 10 per cent of peptone, and 0.5 per cent
of NaCl or those with the same additions plus an
addition of 0.25 per cent of glucose are proper. Inas-
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16196

1. Title: 1942 Bacteria
2. Title: Bacteria no. 1942
1. Chen, Chih-tung
- II. Chen, Hwan-feng
- III. Title: On ...

Office of Technical Services

[Chen, Chih-tsung, Tu, Tsung-ming, and Chen, Lin-tsung].

[STUDIES ON THE GLUTAMIC ACID FERMENTATION]. IX. ON THE ADJUSTMENT OF pH. [1963]

Sp. (tables omitted) 5 refs.

Order from SLA \$1.10

63-16197

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37, no. 8, p. 315-318].

DESCRIPTORS: *Glutamic acid, *Fermentation, *Culture media, Bacteria, Biosynthesis, Micrococcus, Growth, *Hydrogen ion concentration.

As a result of the test for the determination of the most suitable pH for the production of glutamic acid by bacteria No. 1942, it was observed that good results are obtained when pH is 7.0 at the time of the initiation of the culture when pH is constantly adjusted to remain. (Biological Sciences--Microbiology, TT, v. 10, no. 11) (over)

63-16197

1. Title: 1942 Bacteria
2. Title: Bacteria 1942
- I. Chen, Chih-tsung
- II. Tu, Tsung-ming
- III. Chen, Lin-tsung
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tung, Shen, Wen-kwei, and
Chen, Hwan-feng].

[STUDIES ON THE GLUTAMIC ACID FERMENTA-
TION]. X. ON Kd (OXYGEN ABSORPTION RATE
CONSTANT). [1963] 6p. (figs. tables omitted) 14 refs.
Order from SLA \$1.10 63-16198

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 318-321].

DESCRIPTORS: *Glutamic acid, *Fermentation,
Biosynthesis, *Culture media, *Oxygen consumption,
Bacteria, Absorption (Biology), *Micrococcus.

As a result of a test conducted for the determination of
the relationship between Kd and the amount of the pro-
duction of glutamic acid by bacteria No. 1942, by
changing Kd through a change in the solution in an agi-
tation culture using a triangular flask of a capacity of
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16198

1. Title: 1942 Bacteria
2. Title: Bacteria No. 1942
- I. Chen, Chih-tung
- II. Shen, Wen-kwei
- III. Chen, Hwan-feng
- IV. Title: On ...

Office of Technical Services

[Chen, Chih-tsung and Huang, Tsung-fu].
[STUDIES ON THE GLUTAMIC ACID FERMENTA-
TION]. XI. ISOLATION OF GLUTAMIC ACID IN
FERMENTATION SOLUTION, 1. [1963] 7p. (tables
omitted) 3 refs.

Order from SLA \$1.10

63-16199

Trans. of Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 322-324].

DESCRIPTORS: *Glutamic acid, *Fermentation,
Separation, *Culture media, Biosynthesis, Bacteria,
*Micrococcus, Chlorides, Chemical precipitation.

As for the methods for the separation of glutamic acid
from the fermentation solution, tests were carried out
on the method of educing glutamic acid from a concen-
trated broth at its isoelectric point and on the method
for separating glutamic acid in the form of a hydro-
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16199

I. Chen, Chih-tsung
II. Huang, Tsung-fu
III. Title: Isolation ...

Office of Technical Services

[Chen, Chih-tsung and Huang, Tsung-fu].
[STUDIES ON THE GLUTAMIC ACID FERMENTA-
TION], XII. [ISOLATION] OF GLUTAMIC ACID IN
THE FERMENTATION SOLUTION, 2. [1963] 7p.
(figs. tables omitted) 12 refs.

Order from SLA \$1.10

63-16200

Trans. of [Hakko Kagaku Zasshi (Japan) 1959, v. 37,
no. 8, p. 324-327].

DESCRIPTORS: *Glutamic acid, *Fermentation,
*Culture media, Separation, Bacteria, *Micrococcus,
Electrodialysis.

The result of a test which was conducted on the con-
centration of the glutamic acid fermentation solution
by the electrolytic dialysis is given. By using an
electrolytic cell using the positive ion exchange films
and the negative ion exchange films alternately as
(Biological Sciences--Microbiology, TT, v. 10, no. 11)
(over)

63-16200

I. Chen, Chih-tsung
II. Huang, Tsung-fu
III. Title: Isolation ...

Office of Technical Services

Nikai, S.
CAUSES AND PREVENTION OF MILDEW ON BAM-
BOO WARES. XII. TESTS ON A PILOT-PLANT
SCALE FOR IMPREGNATING BAMBOO STEMS WITH
A NA-PENTACHLOROPHENOLATE SOLUTION UNDER
PRESSURE, PT. I. [1961] 8p.
Order from ATS \$11.25

ATS-80N56J

Trans. of Hakko Kogaku Zasshi (Japan) 1960, v. 38,
no. 3, p. 131-135.

DESCRIPTORS: *Bamboo, *Mildew, *Fungusproofing,
Impregnation, Sodium compounds, Chlorides.

(Biological Sciences--Botany, TT, v. 7, no. 5)

62-12211

- I. Nikai, S.
- II. Title: Tests . . .
- III. ATS-80N56J
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Tsumori, Hiroshi, Nakajima, Junichi and others.
AUTOMATIC CONTROL OF pH IN SODIUM GLUCONATE PRODUCTION FROM GLUCOSE BY ASP. NIGER. [1962] 11p. (5 figs. 2 tables omitted) 9 refs. Order from SLA \$1.60 62-14603

Trans. of [Hakko Kagaku Zasshi] (Japan) 1961, v. 39, no. 6, p. 328-[332].

DESCRIPTORS: *Gluconates, *Hydrogen ion concentration, *Sodium compounds, *Fermentation, *Glucose, *Molds.

An automatic pH control system was employed in the production of gluconic acid by fermentation of glucose in the presence of Asp. niger. The pH of the fermentation solution could be maintained at 6.5 ± 0.05 throughout the fermentation period. The system possessed the following features. The solution was circulated. (Engineering--Chemical, TT, v. 8, no. 9) (over)

62-14603

I. Tsumori, H.
I. Tsumori, H.
II. Nakajima, J.

Office of Technical Services

Studies on the Enzymes Produced by Trametes Sanguinea. Part II. Partial Purification and Fractionation of the Cellulolytic Enzyme System of Trametes, by K. Nara.

JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 410-414.
NTC 69-10730-06A

Sci-B&M
July 69

386,646

Studies on the Enzymes Produced by *Trametes Sanguinea*. Part 1. Hydrolytic Enzymes in Crude Preparation and Its Application for Digestion of Animal Feeds, by T. Fugino, K. Nara.
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, No 7, 1964, pp 405-409.
NTC 69-10729-06A

Sci-B&M
July 69

386,645

Studies on the Production of Reductones by
Microorganisms. Pt. 1. Production and Separation
of Reductones Produced by Aspergilli, by
T. Tokuyama, S. Kawate, S. Omata, 8pp
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964,
No 5, pp 288-293
ATS-opR79R

Sci - Bio
may 67

326,615

Studies on the Production of Reductones by
Microorganisms. PT 2. Influence of Culture
Conditions on the Production of Reductones by
Aspergilli, by T. Tokuyama, S. Kawate, S. Omata,
7pp
JAPANESE, per, Hakko Kogaku Zasshi, Vol 42, 1964,
No 5, pp 294-297
ATS-08R79J

Sci - Bio
May 67

326,616

Oshima, M.
DEVELOPMENT OF NEW WOOD-CHEMICAL IN-
DUSTRY. [1962] 14p.
Order from SLA \$1.60

62-18691

Trans. of Hakko Kyokaiishi (Japan) 1959, v. 17, no. 5,
p. 201-206.

DESCRIPTORS: *Chemical industry, *Wood, Glucose,
Xylose, Fermentation, Lignin, Wastes (Industrial),
Economics.

(Engineering--Chemical, TT, v. 9, no. 10)

62-18691

I. Oshima, M.

Office of Technical Services

Usami, S. and others.

INDUCED MUTATIONS OF ASPERGILLUS NIGER BY
NITROGEN MUSTARD TREATMENT. Apr 62, 6p.
(7 figs. 2 tables omitted) 6 refs.

Order from SLA \$1.10

62-16616

Trans. of Hakkō Kyokaiishi (Japan) 1960, v. 18, no. 5,
p. 7-12.

DESCRIPTORS: *Mutations, *Molds, *Nitrogen
mustards, Genetics, Morphology, Enzymes, Acetic
acids, Proteases.

From nitrogen mustard treatment of a parent strain,
Aspergillus niger WU-2223L, which is high in acetic
acid-producing ability, about 370 artificial mutants were
obtained. Among these, there were some which were
more powerful in the production of acid and proteinase.
No correlation was observed between the type of muta-
tion and the physiological property, but it was found that:
(Biological Sciences--Microbiology, TT, v. 9, no. 3)
(over)

62-16616

I. Usami, S.

Office of Technical Services

TT-64-22090

Iwamoto, H.
STUDIES OF MOLD PREVENTION ON INDUSTRIAL
PRODUCTS. XII. THE ANTIFUNGAL ACTIVITY OF
VARIOUS COMPOUNDS. 6. ORGANOTIN COMPOUNDS.
[Apr 64] 6p
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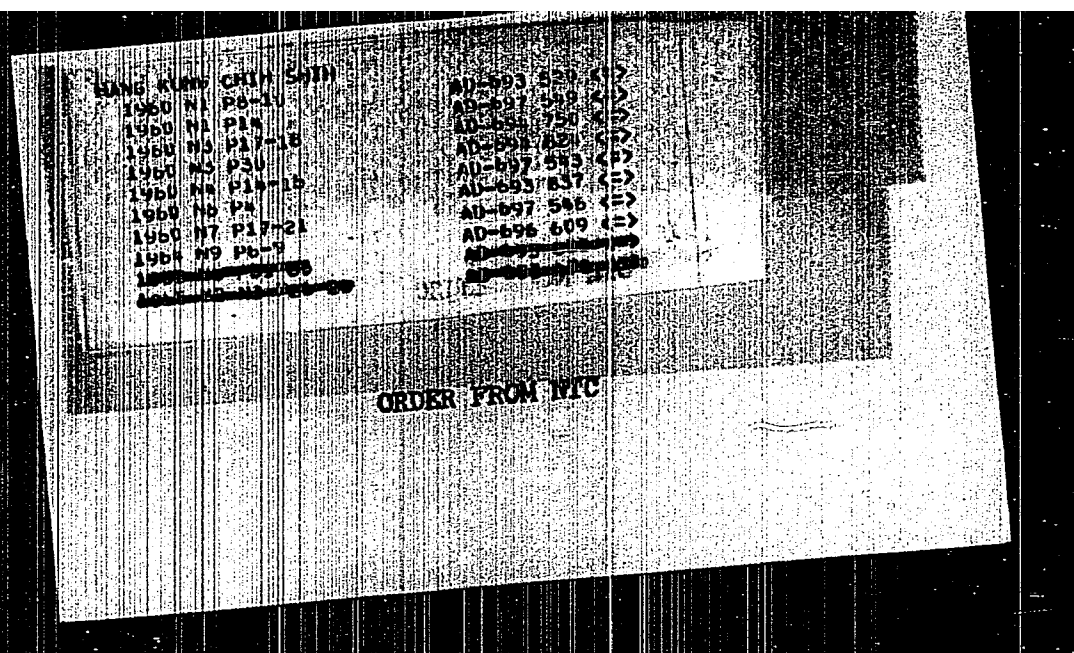
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